	CRF Eriors Corrocted by the STIC Systems Branch CRF Processing Date: 12/17/2 Edited by: 15716
Chanb Odmuv	voilfied by:(STIC
Chan	god the margins in cases where the sequence textward rapped down to the next line.
	d a lormal error in the Current Application Data section, specifically:
Editor applic	I the Current Application Data section with the actual current number. The number inputted by the ant was I the prior application data; or other
۸dded	the mandatory heading and subheadings for "Current Application Data".
= Edited	the 'Number of Sequences' field. The applicant spelled out a number instead of using an intege
	ged the spelling of a mandatory field (the headings or subheadings), specifically:
Conec	cted the SEO ID NO when obviously incorrect. The sequence numbers that were edited were:
Inserto	ed or corrected a nucleic number at the end of a nucleic tine. SEO ID NO's edited:
Conoc	ated subheading placement. All responses must be on the same line as each subheading. If the control placed a response below the subheading, this was moved to its appropriate place.
	ed colons after headings/subheadings. Headings edited included: •,
Delete	ed extra, invalid, headings-used by an applicant, specifically:
Oelel	od: \(\text{ non-ASCII "garbago" at the beginning/end of tiles; \(\text{ secretary initials/filename at end of large numbers throughout text; \(\text{ other invalid loxt, such as } \)
Insert	ed mandatory headings, specifically:
Corre	cted an obvious erro: in the response, specifically:
Edited	d identifiers where upper case is used but lower case is required, or vice versa.
•	cted an error in the Number of Sequences field, specifically:
Л 'На	rd Pago Break" code was inserted by the applicant. All occurrences had to be deleted.
Deloted	. I ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enable the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in amino acid sequences and adjusted the stop codon in a stop codon in
Other	

Examiner: The above corrections must be communicated to the applicant in the first Office yields.

Action: DO NOT send a copy of this form.

#2 OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001
TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT



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             Walker, Michael
     7 <120> TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
     10 <130> FILE REFERENCE: ICYTP012
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001 TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT

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RAW SEQUENCE LISTING DATE: 12/17/2001 PATENT APPLICATION: US/10/003,608 TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT

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		Ата	GIU	GIII	Val	пец	FIO	0		10	_1 -				15	
110	1		1	T =	5	7 ma	Clu	λνα	Thr	Pro	Glu	Asp	Ile	Phe	Lys	Pro
	Lys	Ala	vaı		шe	ALG	GIU	пта	25	110				30	-	
112				20		•	***	Dha	Z J	mhr	Mot	His	Arα	Tvr	Thr	Leu
113	Thr	Asn		Ile	He	HIS	HIS	Phe	гуѕ	TIII	Met	1115	45	-1-		
114			35		_	_	~ 7	40	a	Dwo	Cln	Dha		Glu	Tle	Tle
115	Glu	Met	Phe	Arg	Thr	Cys	GIn	Pne	Cys	Pro	Gln	60	ALG	Olu	110	
		- 0					~~					00				
117	His	Lys	Ala	Leu	Ile	Asp	Arg	Asn	TTe	Gin	Ala	THE	цец	GIU	SCI	80
						.,,,,					1.3					
119	Lys	.Lys	Leu	Asn	Trp	Cys	Arg	Glu	Val	Arg	Lys	Leu	vaı	Ата	Dea	пуз
					05					90						
121	Thr	Asn	Gly	Asp	Gly	Asn	Cys	Leu	Met	His	Ala	Thr	ser	GIN	туг	мес
				100					1.0.5					T		
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			115					120					123			
125	Thr	T.eu	LVS	Glu	Thr	Asp	Thr	Arg	Asn	Phe	Lys	Phe	Arg	Trp	Gln	Leu
		120					135					140				
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120	14J	7 ~~	7 an	Trn	λcn	Asn	Glu	Trp	Asp	Asn	Leu	Ile	Lys	Met	Ala	Ser
120					165					T. / O					1,5	
130	m 1	3	mh ~	Dro	Mot	Δla	Ara	Ser	Glv	Leu	Gln	Tyr	Asn	Ser	Leu	Glu
	Thr	ASP	THE			AIU	4119	002	185			-		190		
132		-1 -	77.2 -	180	Dho	1751	T.011	Cvs	Asn	Tle	Leu	Arq	Arg	Pro	Ile	Ile
		тте	105	TTE	Pile	val	пси	200	21011			,	205	,		
134			195		T	Wat	Tou	λra	Cer	T.e.i	Glu	Ser	Gly	ser	Asn	Phe
				Asp	гуя	Met	. Бец 215	ALY	JCI	пс	. 0	220	- 1			
136		210	_		**- 1	01.	417	т1.		· T.Δ1	. Pro			Trp	Pro	Ala 240
			Leu	ьys	vaı	. СТУ	, ета	TTE	: 1 Y 1	шс	235			- 1		240
138	225				_	230) D	т1.	. 17-1	T 01			Agr	Ser	His	His
139	Gln	Glu	Cys	Tyr			Pro	TTE	; vai	250	i Giy	- 1 -	1101		255	His
140					245		_	.	. 3	230	, 	pro	. Glu	1 Tle		
141	Phe	val	. Pro	Leu	[Va]	Thi	: Leu	ггаг	ASP	9 261	. сту	FIC	, 610	270	, ,, <u>,</u> ,	Ala
142				260)			_	265) . 	- Dha	. (1)	λcr			va1
143	Val	. Pro	Leu	ı Val	. Ası	n Arg	j Asp	Arg	l GTA	Arg	j Pile	: GIU	285	, nec	LLYL	Val
1 4 4			275	:				280)				20.	,		
145	His	Phe	e Leu	ı Thr	: Asp	Pro	o Glu	ı Asr	ı Glu	і мет	с га	3 GIU	г граз	у пес	т пес	Lys
		200	`				795	`				300	,			
147	Glu	тул	r Leu	ı Met	: Va.	l Ile	e Glu	ı Ile	e Pro	o Va.	L GIr	στΣ	TI	o ASI) HIE	Gly 320
4 4 6	200	•				210	1				31:)				320
149	Thr	Thi	r His	s Lei	ı 110	e Ası	n Ala	a Ala	a Lys	s Le	u Asp	Glu	ı Ala	a ASI	тьец	ı Pro
					221	5				33	U				33.	•
151	Lvs	s Glu	1 Ile	e Ası	ı Le	ı Va	l Asp	AS	э Туз	r Ph	e Glu	ı Leı	ı Va	l Gli	n H18	s Glu
4				211	ገ				.34:)				55,	,	
153	- 3 (1717)	r T.ve	s Tive	s Tri	o G1:	n Gl	u Ası	n Se	r Glu	u Gl	n Gly	y Ar	g Ar	g Glı	ı Gly	y His
15	4		2 に	5				36	U				20	J		
159	- 5 12 12 -	a (Cl)	n Ası	- n Pro	o Me	t Gl	u Pro	se:	r Va	l Pr	o Gli	n Lei	ı se	r Le	u Met	t Asp
156		37		'			37!	5				386	0			
Τ)(J	37	•													

DATE: 12/17/2001 RAW SEQUENCE LISTING TIME: 20:15:46 PATENT APPLICATION: US/10/003,608

Input Set : A:\PTO.AMC.TXT

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170				•	485	7 × cr	Cln	Τ.Δ11	His	Ala	Ser	His	Ala	Pro	Asp	His
172			•	500	3	Dwo	C1 v	T.v.c	Cvs	Gln	Ala	Cys	Leu 525	Gln	Asp	Val
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178	545		a		Cor	330 330	Dro	Ser	Ara	Leu	. Val	Arg	Ser	Pro	Ser	Pro
180		_	a		700	. 11 a	Glv	Asn	Asr	Ala	Pro	Ala	Gly	Cys	Leu	Ser
182				580	/ · Whr	Dro	G1x	Asp	Arc	r Thi	Gly	Thr	Ser	Lys	Cys	Arg
184		- 1 .	595) - Crr	. 1/2]	ጥኒንን	Phe	Glv	Thi	Pro	o Glu	ı Asr	l Lys	Gly	Phe	cys
186	,	610		nh.	. T16	. Glu	о <u>т</u> у	r Arc	r Glu	ı Ası	n Lys	s His	s Phe	e Ala	ı Ala	Ala 640
188	625) . al.	. T.	~ Va	l Coi	r Dro	ν n Thi	r Ala	a Sei	r Ar	g Phe	e Gli	n Asr	n Thi	: Ile	e Pro
190) !	~ T ^	(1)	. 7 m	7 Gli	, 1 CVS	s G1:	v Thi	r Lei	ı G1	y Se	r Thi	r Met	. Phe	e Glu	ı Gly
19:	ک عصاص		- Cl	n T 177	0 c (***	s Phe	- T1	e Glu	ı Ala	a Gl	n As	n Gl	n Ar	g Phe	e His	s Glu
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19	6 7 5 -	69	v ~ mb	~ πh	r G1:	n Se	r Th	r Se:	r Ar	q Pr	о Ly	s Cy	s Ala	a Ar	g Ala	a Ser 720
19	8 70	5 - T.	. 7.0	n т1	م T.e	ι Δ1.	a Cv	s Ar	α Se	r Gl	u Gl	u Le	u Cy	s Me	t Gl	u Cys 5
20	0	77.2	~ D~	~ \ \ \ \	n Gl	n Ar	a Me	t Gl	v Pr	o Gl	y Al	a Hi	s Ar	g Gl	y Gl	u Pro
20	2	_ n		11 7 7	n Dr	o Pr	ο Τιν	s Gl	n Ar	g Cy	s Ar	g Al	a Pr	o Al	а Су	s Asp
20	4	_ n!	70	** ** *	n 1	a T.v	s Cv	s As	n Gl	у Ту	r Cy	s As	n Gl	u Cy	s Ph	e Gln
20	2 H1	s Pr	16 PT	y AS	יי עד	L LIY					_					

DATE: 12/17/2001

TIME: 20:15:46

Input Set : A:\PTO.AMC.TXT Output Set: N:\CRF3\12172001\J003608.raw 780 775 770 206 207 Phe Lys Gln Met Tyr Gly 790 208 785 211 <210> SEQ ID NO: 3 212 <211> LENGTH: 1224 213 <212> TYPE: DNA 214 <213> ORGANISM: Human 216 <220> FEATURE: 217 <221> NAME/KEY: misc_feature 218 <222> LOCATION: 36, 91, 645, 655, 660, 671, 672 219 <223> OTHER INFORMATION: n = A,T,C or G 221 <221> NAME/KEY: allele 222 <222> LOCATION: (0)...(0) 224 <400> SEQUENCE: 3 W--> 225 tcgggatcga tctggagctc cgggaatttc cctggnccgg gactccgggc tttccagccc 60 W--> 226 caaccatgca taaaaggggt tcgccgttct nggagagcca cagagcccgg gccacaggca 120 227 geteettgee agetetteet eteeteteae ageegeeaga eeegeetget gageeceeat 180 228 ggcccgcgct gctctctccg ccgccccag caatccccgg ctcctgcgag tggcgctgct 240 229 gctcctgctc ctggtagccg ctggccggcg cgcagcagga gcgcccctgg ccactgaact 300 230 gcgctgccag tgcttgcaga ccctgcaggg aattcacctc aagaacatcc aaagtgtgaa 360 231 ggtgaagtcc cccggacccc actgcgccca aaccgaagtc atagccacac tcaagaatgg 420 232 gcagaaaget tgteteaace eegeategee catggttaag aaaateateg aaaagatget 480 233 gaaaaatggc aaatccaact gaccagaagg aaggaggaag cttattggtg gctgttcctg 540 234 aaggaggeee tgeeettaca ggaacagaag aggaaagaga gacacagetg cagaggeeac 600 W--> 235 ctgggattgc gcctaatgtg tttgagcatc acttaggaga aggcnccgat taatnaattn 660 W--> 236 attaatttat nnattggttg gttttagaag attctatgtt aatattttat gtgtaaaata 720 237 aggttatgat tgaatctact tgcacactct cccattatat ttattgttta ttttaggtca 780 238 aacccaagtt agttcaatcc tgattcatat ttaatttgaa gatagaaggt ttgcagatat 840 239 tototagtoa titgttaata titottogtg atgacatato acatgtoago cactgtgata 900 240 gaggetgagg aatccaagaa aatggccagt aagatcaatg tgacggcagg gaaatgtatg 960 241 tgtgtctatt ttgtaactgt aaagatgaat gtcagttgtt atttattgaa atgatttcac 1020 242 agtgtgtggt caacatttct catgttgaag ctttaagaac taaaatgttc taaatatccc 1080 243 ttggacattt tatgtctttc ttgtaaggca tactgccttg tttaatgtta attatgcagt 1140 244 gtttccctct gtgttagagc agagaggttt cgatatttat tgatgttttc acaaagaaca 1200 245 ggaaaataaa atatttaaaa atat 247 <210> SEQ ID NO: 4 248 <211> LENGTH: 107 249 <212> TYPE: PRT 250 <213> ORGANISM: Human 252 <400> SEQUENCE: 4 253 Met Ala Arg Ala Ala Leu Ser Ala Ala Pro Ser Asn Pro Arg Leu Leu 10 255 Arg Val Ala Leu Leu Leu Leu Leu Val Ala Ala Gly Arg Arg Ala 25 256 257 Ala Gly Ala Pro Leu Ala Thr Glu Leu Arg Cys Gln Cys Leu Gln Thr 40 258 259 Leu Gln Gly Ile His Leu Lys Asn Ile Gln Ser Val Lys Val Lys Ser

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/003,608

FULL)

261 Pro Gly Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/003,608

DATE: 12/17/2001

TIME: 20:15:47

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\12172001\J003608.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11